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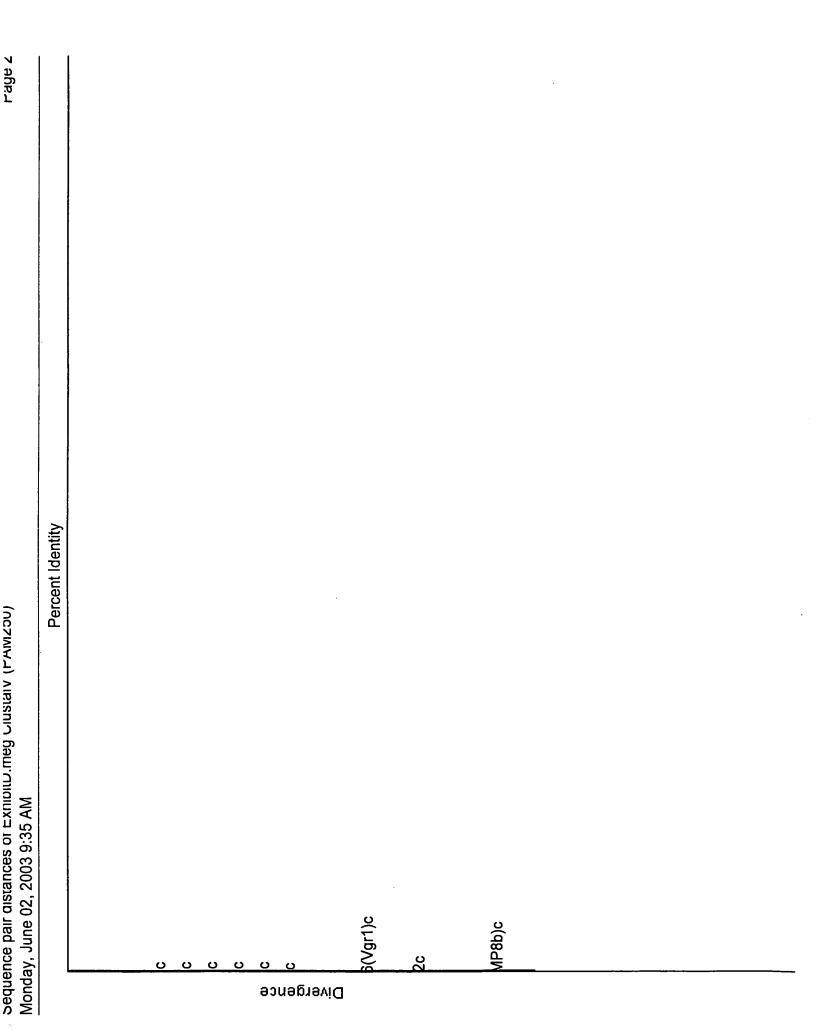
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Sequence pair distances of Exhibitu.meg Ciustaiv (PAIMZDU) Monday, June 02, 2003 9:35 AM

Percent Identity

_	2	3	4	5	9	7	8	6	10	11	12	13	14	15	16		
	53.9	54.5	38.2	51.5	73.5	9.07	39.2	68.6	62.7	9.02	51.0	30.6	55.2	55.2	54.9	~	60Ac
	70.0	71.3	40.2	73.3	56.9	58.8	39.2	57.8	52.9	57.8	48.0	27.6	76.0	74.0	49.0	2	Dppc
62.0	31.6		45.5	92.1	58.4	58.4	38.6	57.4	52.5	59.4	55.4	24.5	94.8	97.9	52.5	3	hBMP2c
١ ٨ ١	107.1 100.3	83.9		44.6	40.2	41.2	37.9	39.2	38.2	41.2	46.1	24.5	44.8	45.8	37.3	4	hBMP3c
68.7	7 28.6	8.4	86.7		56.4	57.4	39.6	55.4	52.5	56.4	53.5	23.5	92.7	93.8	51.5	5	hBMP4c
32.7	7 63.2	53.8	100.3	57.8		91.2	45.1	88.2	73.5	92.2	55.9	25.5	57.3	57.3	65.7	9	hBMP5c
37.3	3 59.0	53.8	97.1	55.8	9.4		45.1	87.3	75.5	0.66	57.8	28.6	58.3	58.3	66.7	7	hBMP6c
۱۰,	107.1 103.7	95.7	103.7	97.6	88.1	88.1		46.1	46.1	1.44	55.9	23.5	39.6	39.6	44.1	8	hGDF1c
40.6	5 61.1	55.8	103.7	59.9	12.8	14.0	85.2		73.5	88.2	56.9	28.6	56.2	56.2	65.7	6	hOP1c
51.1	1 72.3	66.4	107.1	66.4	32.7	29.7	85.2	32.7		74.5	54.9	26.5	51.0	51.0	75.5	10	hOP2c
37.3	3 61.1	51.8	97.1	57.8	8.3	1.0	91.0	12.8	31.2		58.8	28.6	58.3	58.3	65.7	11	mBMP6(Vgr
77.3	3 85.2	59.9	82.5	64.2	65.4	61.1	59.0	63.2	2.79	59.0		28.6	54.2	55.2	55.9	12	xVg1c
ကြ	113.1 130.7	128.9	142.7	133.9	125.9	117.2	7.2 140.9		113.1 125.9	117.2	121.4		22.9	22.9	25.5	13	hTGFb2c
60.0) 24.5	5.4	85.6	7.7	55.7	53.6	91.7	8.73	69.4	53.6	62.3	130.0		96.9	54.2	14	cop5
60.0	27.4	2.1	82.7	6.5	22.2	53.6	91.7	57.8	69.4	53.6	0.09	130.0	3.2		54.2	15	cop7
67.7	7 82.5	66.4	110.7	68.7	45.7	43.9	88.1	45.7	29.7	45.7	65.4	125.9	62.3	62.3		16	OP3(BMP8t
_	2	3	4	2	9	7	∞	တ	9	1	12	13	14	15	16		



Alignment Workspace of Exhibitu.meg Ciustaiv (PAIWZ5U) Monday, June 02, 2003 9:35 AM

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4.4	CRKHELYVDF-SDLGWODWIIAPKGYAAFYCHGECPFPLADHMVATNHAIVQTLVHIMNPEK-VPKPCVPTKLSAISVLYFDDNSNVVLKKYRNM
	10 20 30 40 50 60 70 80 90 100
60Ac	CONCILYIDF-KDLGWIDWIIAPEGYGAFYCSGECNFPINAHMNATNHAIVQIINHILEPKK-VPKPCCAPIRIGALPVLYHINDENVNLKKYRNM 94
Dppc	CRRHSLYVDF-SDVGWDDWIVAPLGYDAYYCHGKCPFPLADHFNSTNHAVVQTLVNNNNNFGK-VPKACCVPTQLDSVAMLYLNDQSTVVLKNYQEM 94
hBMP2c	CKRHPLYVDF-SDVGWNDWIVAPPGYHAFYCHGECPFPLADHINSTNHAIVQILVNSVNS-K-IPKACCVPTELSALSMLYLDENEKVVLKNYQDM 93
hBMP3c	CARRYLKVDF-ADIGWSEMIISPKSFDAYYCSGACQFPMPKSLKPSNHATIQSIVRAVGVVPGIPEPCCVPEKMSSLSILFFDENKNVVLKVYPNM 95
hBMP4c	CRRHSLYVDF-SDVGWNDWIVAPPGYQAFYCHGDCPFPLADHINSTNHAIVQILVNSVNS-S-IPKACCVPTELSALSMLYLDEYDKVVLKNYQEM 93
hBMP5c	CKKHELYVSF-RDLGWODWIIAPEGYAAFYCDGECSFPIANAHMNATNHALVQIIAHIMFPDH-VPKPCCAPIKINALSVLYFDDSSNVILKKYRNM 94
hBMP6c	CRKHELYVSF-QDLGWQDWIIAPKGYAANYCDGECSFPINAHMNATNHAIVQTLVHIMNPEY-VPKPCCAPIKINALSVLYFDDNSNVILKKYRNM 94
hGDF1c	CRARRLYVSF-REVGWHRWVIAPRGFIANYCQGQCALPVALSGSGGPPALNHAVIRALMHAAAPGA-ADILPCCVPARLSPISVIFFDNSDNVVIRQYEDM 98
hOP1c	CKKHELYVSF-RDLGWODWIIAPEGYAAYYCEGECAFPINSYMNATNHAIVQTLVHFINPET-VPKPCCAPTQINAISVLYFDDSSNVILKKYRNN 94
hOP2c	CRRHELYVSF-QDLGWLDWVIAPQGYSAYYCEGECSFPLDSCMARTNHAILQSLVHIMKPNA-VPKACCAPTKLSATSVLYYDSSNNVILRKHRNM 94
mBMP6 (Vgr1)c	CKKHELYVSF-QDLGWQDWIIAPKGYAANYCDGECSFPINAHMNATNHAIVQTLVHIMNPEY-VPKPCCAPIKINALSVLYFDDNSNVILKKYRNM 94
xVglc	CKKRHLYVEF-KDVGWQNWVIAPQGYMANYCYGECPYPLTEIINGSNHAILQTLVHSIEPED-IPLPCCVPTKMSPISMLFYDNNDNVVLRHYENM 94
hTGFb2c	CCLRPLYIDFWRDLGWK-WIHEPKGYNANFCAGACPYLWSSDTQHSRVLSLYNTINPEAS-ASPCCVSQDLEPLTILYYIGKTPKI-EQLSNM 90
cop5	LYVDF-SDVGWDWIVAPPGYQAFYCHGECPFPLADHFNSTNHAVVQTLVNSVNS-K-IPKACCVPTELSALSMLYLDENEKVVLKNYQEM 88
cop7	LYVDF-SDVGWNDWIVAPPGYHAFYCHGECPFPLADHINSTNHAVVQIIVNSVNS-K-IPKACCVPIELSAISMLYLDENEKVVLKNYQEM 88
OP3 (BMP8b) c	CRIGELYVSF-RDLGWLDSVIAPQGYSAYYCAGECIYPINSCMNSTNHATMQALVHIMRPDI-IPKVCCVPITELSAISLLYYDRNNNVILRRERNM 94

版 WEGCGCR

60Ac		
Оррс		
hBMP2c		
hBMP3c		
hBMP4c		
hBMP5c		
hBMP6c		
hGDF1c		
hOP1c		
hOP2c	WYRACECH	
mBMP6 (Vgr1)c		
xVglc		
hTGFb2c		
cop5		
cop7		
OP3 (AMPAH)		